Monitoring Seabed Subsidence with Optical Fiber Sensing – A Feasibility Study

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The work aimed at assessing whether readings from a deployed mesh of fiber optic sensors, coupled to the seabed, can detect useful information with regard to: (i) production-induced subsidence, and to (ii) operational functionality of a producer-injector array. The poster presents results from an in silico investigation involving the application of an existing analytic technique for computing seabed subsidence due to imposed subterranean deformations.

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